

[HOME](#)[COSHH](#)[INSTALL](#)[TESTS](#)[ENQUIRY](#)[CONTACTS](#)[SEARCH](#)[ORDER](#)

ASTROflame® **COSHH & DATA SHEETS** MATERIAL SAFETY DATA

1 IDENTIFICATION OF THE SUBSTANCE

1.1 PRODUCT NAME: FIRE RATED ACOUSTIC FOAM

1.2 750 ML FR STRAW AEROSOL (0CF800 SERIES)

SYNONYMS, Trade NameS: MDI Prepolymer Under Pressure In An Aerosol Can

1.3 COMPANY IDENTIFICATION.

Astroflame (Fire Seals) Ltd.
Intumescent House
Unit 8 The IO Centre
Stephenson Road
Segensworth
FAREHAM
ENGLAND PO15 5RU

Tel: 0800 023 2482 Fax:0800 023 2483
International - Tel: +44 1329 844 500 Fax: +44 1329 844 600
eMail: sales@astroflame.com

1.4 EMERGENCY TELEPHONE NUMBER. 0800 023 2482

2 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	CONTENTS	HEALTH (class)	RISK (R No.)
DIPHENYL METHANE-4,4'- DIISOCYANATE	101-68-8	5-10 %	Xn	20, 36137/38, 42/43
PROPANE	74-98-6	1-5 %		
BUTANE	106-97-8	1-5 %		
DIMETHYL ETHER	115-10-6	5-10%		

3 HAZARDS IDENTIFICATION

Extremely flammable.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact.

4 FIRST AID MEASURES

GENERAL: NOTE! Effects may be delayed. Keep affected person under observation.

INHALATION: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention.

SKIN: This product bonds to skin extremely well. Carefully remove the cured product by physical means, soften the remaining material with moisturizer and allow to degrade by natural means.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Powder, foam or CO2. Larger fires: Water spray, fog or mist. SPECIAL FIRE FIGHTING PROCEDURES:

Use water to keep fire exposed containers cool and disperse vapours. Move container from fire area if it can be done without risk. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities. Use pressurized air mask if substance is involved in a fire.

700 ML FR STRAW AEROSOL (OCF800 SERIES)

UNUSUAL FIRE & EXPLOSION HAZARDS:

Aerosol cans may explode in fires. May develop highly toxic or corrosive fumes if heated.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. DO NOT touch spilled material.

Shovel into dry containers. Cover and move the containers. Flush the area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS: Do not use in confined spaces without adequate ventilation and/or respirator. Risk of vapour concentration on the floor and in low lying areas. Keep away from heat, sparks and open

flame. Avoid spilling, skin and eye contact. Do not use contact lenses.

STORAGE PRECAUTIONS: Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame.

STORAGE CRITERIA: Misc.hazardous material storage. Flammable compressed gas storage.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	GAS No	STD	LT EXP (8 hrs)	ST EXP (15 mm)
DIPHENYL METHANE- 4,4-DIISOCYANATE	101-68-8	MEL.	0.02 mg/m3 Sen	0.07 mg/m3 Sen
PROPANE	74-98-6		Asphyxiating	Asphyxiating

BUTANE	106-97-8	OES.	600 ppm	750 ppm
DIMETHYL ETHER	115-10-6	OES.	400 ppm	500 ppm

INGREDIENT COMMENTS: OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit. Exposure limits for isocyanates are quoted as NCO

PROTECTIVE EQUIPMENT:

VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: Respiratory protection may be required.

PROTECTIVE GLOVES: Use protective gloves made of: Rubber, neoprene or PVC.

EYE PROTECTION: Wear splash-proof eye goggles to prevent any possibility of eye contact. Contact lenses should not be worn when working with this chemical!

OTHER PROTECTION: Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENIC WORK ROUTINES: Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily if contamination is reasonably probable.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Aerosol. or Viscous. Liquid. or Solid. Foam.

COLOUR: Pink.

PHYSICAL DATA COMMENTS: Information given concerns the major ingredient.

SOLUBILITY DESCRIPTION: Hardens in contact with water. Slightly soluble in: Organic solvents (most).

VISCOSITY: N/A. FLASH POINT (°C): <20

FLASH POINT METHOD: OC (Open cup).

10 STABILITY AND REACTIVITY

STABILITY: Normally stable. Avoid: Heat, sparks, flames.

MATERIALS TO AVOID: No incompatible groups noted.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fire creates: Toxic gases/vapours/fumes of: Ammonia or amines. Carbon monoxide (CO). Oxides of: Nitrogen. Hydrogen cyanide (HCN). Nitrous gases (NOx).

TOXICOLOGICAL INFORMATION

HEALTH WARNINGS: This chemical can be hazardous when inhaled and/or touched. INHALATION. Prolonged inhalation of high concentrations may damage respiratory system. Pulmonary sensitizer. Recognized allergen. SKIN CONTACT. May cause sensitisation by skin contact. EYE CONTACT. Irritating to eyes.EYES, NOSE AND MOUTH. May cause temporary blindness and severe eye damage. RESPIRATORY SYSTEM. Repeated exposure may cause chronic upper respiratory irritation.

ROUTE OF ENTRY: Inhalation. Ingestion. Skin and/or eye contact.

TARGET ORGANS: Eyes. Respiratory system, lungs. Skin.

MEDICAL SYMPTOMS: EYES AND MUCOUS MEMBRANES. Irritation of eyes and mucous membranes. RESPIRATORY SYSTEM. General respiratory distress, unproductive cough. SKIN. Skin irritation. Brown skin stains.

MEDICAL CONSIDERATIONS: Chronic respiratory and obstructive airway diseases. Skin disorders and allergies. Allergic reactions may develop after inhalation of low concentrations, also several hours after exposure.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: Little danger to the environment.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of in accordance with Local Authority requirements.

14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:

ROAD:

UN No: 1950

HAZARD CLASS (ADR): Division 2.1: Flammable gases. ADR CLASS No: 2

ADR ITEM No: 5 (f)

PROPER SHIPPING NAME I: Aerosols

RAIL:

SEA:

SEA TRANSPORT CLASS No: Aerosols EmS No.: 2-13

MFAG Table No: 620

MARINE POLLUTANT: No.

AIR:

15 REGULATORY INFORMATION

LABEL FOR SUPPLY:

EXTREMELY FLAMMABLE HARMFUL

RISK PHRASES: R-12 Extremely flammable.
R-36/37/38 Irritating to eyes, respiratory system and skin.
R-42/43 May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES: 5-2 Keep out of reach of children.
5-16 Keep away from sources of ignition - No Smoking.
5-23 Do not breathe gas/fumes/vapour/spray.

5-24 Avoid contact with skin.

5-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

5-28 After contact with skin, wash immediately with plenty of water.

5-38 In case of insufficient ventilation, wear suitable respiratory equipment.

S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5-51 Use only in well ventilated areas.

S-37/39 Wear suitable gloves and eye/face protection.

P-4 Contains isocyanates. See information supplied by the manufacturer.

UK REGULATORY REFERENCES: Health and Safety at Work Act 1974.

Chemicals (Hazard Information & Packaging) Regulations 1999

The Control of Substances Hazardous to Health Regulations 1988.

GUIDANCE NOTES: Occupational Exposure Limits EH40.

Isocyanates toxic hazards and precautions EH16.

CHIP for everyone HSG(108).

16 OTHER INFORMATION

INFORMATION SOURCES: Material Safety Data Sheet, Misc. manufacturers.

REVISION DATE: 03/07/00

REVISION No. /REPLACES SDS ISSUED:

001

SDS No.: 10608

SAFETY DATA SHEET STATUS: Approved.

Astroflame (Fire Seals) Ltd. Intumescent House
Unit 8, The IO Centre, Stephenson Road, Segensworth
FAREHAM, ENGLAND PO15 5RU

tel 0800 023 2482
(01329 844500)

fax 0800 023 2483
(01329 844600)

intl
tel +44 1329 844500

fax +44 1329 844600

email sales@astroflame.com